

Amendments to the claims:

1. (Previously Amended) A valve prosthesis for implantation in the body and comprising a collapsible elastical valve which is mounted on an elastical stent wherein commissural points of the elastical collapsible valve are mounted on a cylinder surface of the elastical stent wherein the stent is made from a radially collapsible and re-expandable cylindrical support means for folding and expanding together with the collapsible valve for implantation in the body by means of a technique of catheterization.

2. (Previously Amended) The valve prosthesis according to claim 1, wherein the support means is made of thread structure.

3. (Currently Amended) The valve prosthesis according to claim 2, wherein the thread structure comprises several spaced apices projecting from ~~the one side of the~~ cylindrical ~~structure-support means~~ and in a direction along the longitudinal axis of the cylinder surface and that the commissural points of the valve are attached to the projecting apices.

4. (Previously Amended) The valve prosthesis according to claim 3, wherein the elastically collapsible valve is a biologically trilobate valve.

5. (Currently Amended) The valve prosthesis according to claim 4, wherein the stent is made from a stainless steel wire folded in number ~~if of~~ loops, bended according to a circle, and welded to form a closed ring, that the stent comprises two or more such closed rings which are mutually connected end to end to form the cylindrical thread structure, that three of the loops in ~~the an~~ external ring are folded with a greater height ~~that than~~ the

remaining loops to form the apices to which the commissural points of the biological valve are attached.

6. (Currently Amended) The valve prosthesis according to claim 5, wherein each of the rings of the stent is made from a wire having a diameter of 0.055 mm and a loop height of approximately 8 mm and approximately 14 mm for the three greater height loops, and that the cylindrical thread structure produced and the collapsible valve mounted thereon in a folded state have an outer diameter of approximately 10 mm and, in an expanded state, an outer diameter of approximately 30 mm.

7. (Currently Amended) The valve prosthesis according to claim 5, wherein three or more mutually attached rings placed on top of each other are used ~~in~~ an that the stent is made to be fixed through the expansion at one point in the channel where the valve prosthesis is inserted, which point is different from the point where the valve is mounted in the stent.

8. (Currently Amended) The valve prosthesis according to claim 1, wherein the cylinder surface of the support means is closed to form a tubular element.